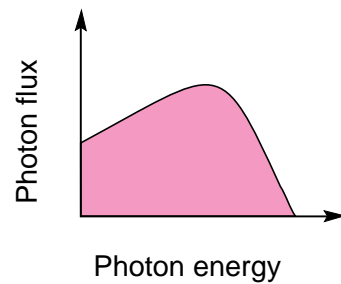
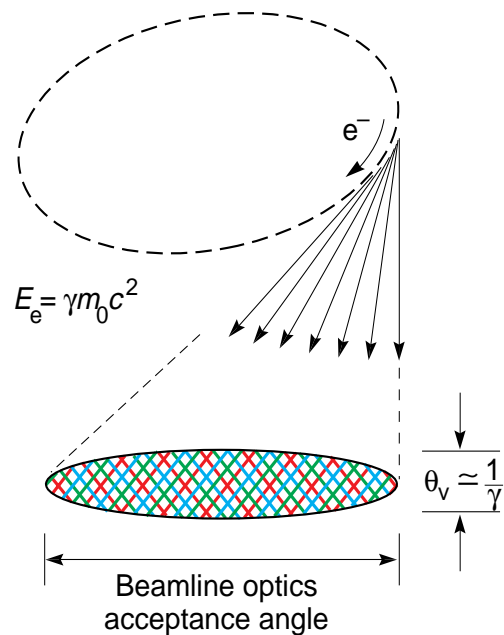


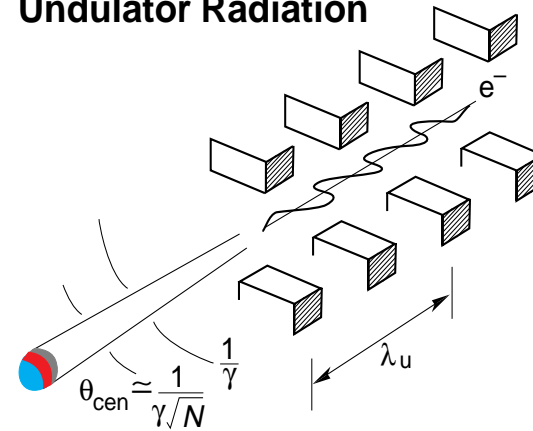
ALS Radiation is Produced by Bend Magnets and Undulators

ALS

Bend-Magnet Radiation



Undulator Radiation



$$\lambda_x = \frac{\lambda_u}{2\gamma^2} \left(1 + \frac{K^2}{2} + \gamma^2 \theta^2 \right)$$

In the central radiation cone:

$$\frac{\Delta\omega}{\omega} \approx \frac{1}{N}$$

$$\theta_{cen} \approx \frac{1}{\gamma \sqrt{N}}$$

